

ZABCIC, Bozidar, inz.

Some experiences in using Leschit and plywood sheets for wainscoting.
Gradevinar 15 no.3:69-76 K* '63.

1. Tehnicki direktor GP "Vranica", Sarajevo.

ZABGIC, Bozidar, inz. (Sarajevo, Drvarska 2/IV)

Flywood and lesonit as lining materials in building. Tehnika Jug:
Suppl.:Gradevinarstvo 17 no.2:260-266a Fe '63.

I. Tehnicki direktor GP "Vranica", Sarajevo.

ZABEDOVSKIY, M.P.; ZAUSHNIKOV, N.V.; KOVALEV, V.S.

Airtightening welded joints in thin-walled cast iron parts
by metal spraying. Svar. proizv. no.6:20-21 Ia '63.
(MIRA 16:12)

1. Tsentral'nyye eksperimental'nyye svarochnyye masterskiye
Vsesoyuznogo nauchno-issledovatel'skogo instituta avtojennoy
obrabotki metallov.

ACC NR: AP6032918

SOURCE CODE: UR/0142/66/009/003/0287/0291

AUTHOR: Ageyev, D. V.; Zabegalov, B. D.

ORG: none

TITLE: Communication system with multivalued modulation characteristic

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 3, 1966, 287-291

TOPIC TAGS: signal modulation, communication system

ABSTRACT: Conventional types of modulation (AM, FM, PhM) have this serious drawback: a weak signal causes only a small deviation of the modulation parameter

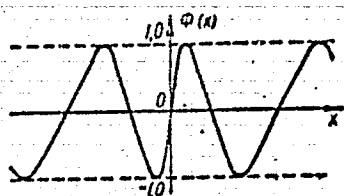


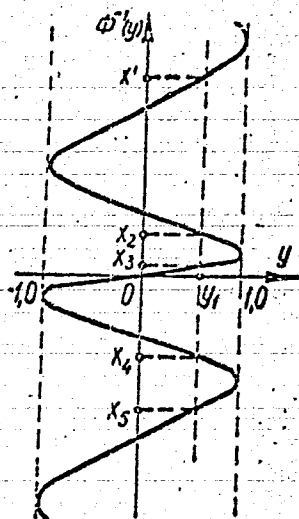
Fig. 1. Multivalued modulation characteristic

and, therefore, is subject to strong distortion by noise. Nonlinear modulation does not remedy the situation; it only redistributes the noise. The present article proposes an original modulation system, in which an "abstract phase" x is proportional to the modulating signal, $x(t) = k \cdot u(t)$. Only one position of the operating point on the multivalued modulation characteristic (see figure) corresponds to a given abstract-phase value, and vice versa. The selected modulation parameter varies

Card 1/2

UDC: 621.396.235

ACC NR: AP6032918



as: $y(t) = \Phi[x(t)]$. Many values of $x(t)$ correspond to an instantaneous value of the modulation parameter $y(t)$; however, there is only a single-valued correspondence between the entire functions $y(t)$ and $x(t)$. In the receiver, a reverse mathematical operation is performed with $y(t)$, i.e., $x(t) = \Psi[y(t)]$. Hence, the demodulation characteristic will have the form shown in Fig. 2. A modulation characteristic in the form of $\sin x$ is considered as an example; a block diagram of the required demodulator is shown. It is claimed that the signal-to-noise ratio will be more favorable in such a modulation system, particularly with lower noise levels. Orig. art. has: 4 figures and 9 formulas.

SUB CODE: 0917 SUBM DATE: 26Apr65 / ORIG REF: 001

Fig. 2. Demodulation characteristic

Card 2/2

LEZIN, Yu.S.; ZABEGALOV, B.D.

Noise distribution at the output of a system consisting of two RC filters with intermediate square-law device. Radiotekhnika 18 no.8:67-68 Ag '63. (MIRA 16:10)

1. Deystvitel'nyye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.

ZABEGAL'SKAYA, Z.K., assistant

Treatment of acute appendicitis complicated by infiltration.
Khirurgia 35 no.3:51-55 Kr '59. (MIRA 12:8)

1. Iz kafedry gosspital'noy khirurgii (zav. - dots. S.P.Vilesov)
Orenburgskogo meditsinskogo instituta (dir. - prof. I.V.
Sidoronkov).

(APPENDICITIS, compl.

inflamm. infiltration, ther. (Rus))

ZABEGAYEV, P., stalevar

A son of the planet Earth. Sov. profsoiuzy 17 no.8:6 Apr '61.

(MIRA 14:3)

1. Pervyy martenovskiy tsakh zavoda "Serp i molot," rukovoditel'
brigady kommunisticheskogo truda.

(Gagarin, Yuri Alekseevich, 1934-)
(Astronautics)

S/035/62/000/010/081/128
A001/A101

AUTHORS: Zabek, Jerzy, Adamczewski, Zdzisław

TITLE: Observations on field practice in the first course of the
division for geodesy and cartography of the Warsaw Polytechnic
Institute

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 9,
abstract 10G39 ("Przegl. geod.", 1962, v. 34, no. 3, 103 - 104,
Polish)

TEXT: The authors disagree with A. Hopfer who proposed to conduct field
geodetic practical exercises on industrial objects (see RZhAstr, 1962, 1035),
and point out that it is hardly possible to find such an object which would
give a chance of carrying out all exercises scheduled by the program of the
1-course practice (theodolite and circle survey, level survey of routes and
surfaces, surveys of passages and blocks). Moreover, quarters and feeding
for more than 100 students should be provided on such an object. On the oth-
er hand, the short 4-week period of practice makes it impossible to complete

Card 1/2

Observations on field practice in the...

S/035/62/000/010/081/128
A001/A101

all works on the object. At last, the quality of performance of the 1-course students cannot be high, even with the careful control of a practice supervisor. Attempts of the department of geodetic fundamentals of the Warsaw Polytechnic Institute to carry out the practice of 1-course students on industrial objects were successful only in one case (Karolewo, Olstyn province) where the work was performed by a team of students, technicians-geodesists. The experience of conducting educational practice for the 1st course, accumulated for many years, has shown that a student team should consist of 6 people, and mixed teams should not be admitted. The amount of work performed by female teams should be less, by 20 - 25%, than that of male teams.

N. Modrinskiy

[Abstracter's note: Complete translation]

Card 2/2

ACC NR: AP6019918

(A)

SOURCE CODE: PO/0029/66/000/002/0064/0060

AUTHOR: Zabak, Jerzy

ORG: none

TITLE: Redta 002 double-image reduction tachymeter¹² manufactured by Zeiss

SOURCE: Przegląd geodezyjny, no. 2, 1966, 64-68

TOPIC TAGS: geodetic instrument, optic measurement, measuring apparatus, measuring instrument, error, multiplication factor, telemetry, *DISTANCE MEASURING INSTRUMENT / REDTA 002 DISTANCE MEASURING INSTRUMENT*

ABSTRACT: This is the first part of a study of Redta 002 double-image reduction tachymeters manufactured by the Zeiss-Jena Company in the German Democratic Republic. An investigation of the tachymeters disclosed two important sources of error owing to improper functioning of the plane parallel plate of the optic micrometer and to sensitivity to temperature changes which affects the value of the multiplication factor k . The measurement results show that 1) at an average distance of 100 m the difference in readouts on the scale of the micrometer barrel set at 0 and 20 amounts to 4.3 and 6.5 cm for tachymeter I and tachymeter II, respectively, and that at an average distance of 150 m the difference is 6.1 and 8.2 cm, respectively, and 2) at

Card 1/2

ACC NR: AP6019918

temperature drops from 16 to 2 C the length of a 100 m segment increases by more than 4 cm, and at temperature drops from 2 to -4 C the length of the segment also increases by 4 cm indicating that at minus temperatures the change in the multiplication factor k diminishes the accuracy of distance measurements to a greater extent than at plus temperatures. This study of tachymeters is being continued. Orig. art. has: 6 figures, 3 tables, and 14 formulas.

SUB CODE: 08.14/ SUBM DATE: none

Card 2/2

7.

1. "Operations of the Association of Polish Sergeants in the Czech District," Julian ALBRECHT, pp 83-91.
2. "Polish Rifle Recruits and Their Training," Prof. Stanislaw WART in Polish Army Review 1935-1960, "The Training of the Infantry of Poland and Czechoslovakia," Jozef GRUBISZ - GRUBISZ, pp 32-39.
3. "Report on the Second JILMO Conference in Budapest," WALTER GILBERT, pp 94-99.
4. "Complex Polymorphism State for Lead Zinger's Purpose," WALTER GILBERT, JOSEF ALBRECHT, and WERNER GILBERT, pp 100-102.
5. "Methods on Rifle Training for Five-Year Students of the Faculty of Sciences and Geography (Physics, Geology & Geography) and Geography (Physics, Geology & Geography) at the Faculty of Sciences, Czechoslovakia," WALTER GILBERT, JOSEF ALBRECHT, and WERNER GILBERT, pp 103-105.
6. "Optical Methods of Mine Orientation, Part IV," Stefan ALBRECHT, pp 105-106.
7. "Engineering Geodesic Instruments," WALTER GILBERT and JOSEF ALBRECHT, pp 106-111.
8. "Photogrammetry Course No 32 - 2030," JOSEF GILBERT, pp 111-112.
9. "Methods on Determination and Precision of Maps from Aerial Stereos," Stefan ALBRECHT, pp 112-113.
10. "Highway Railway of Prof. A. S. CHODKOWICZ (USSR)," WALTER GILBERT, pp 113-118.

— 27 —

ZABEK, S.

TECHNOLOGY

PERIODICAL: GOSPODARKA WODNA. Vol. 18, no. 9, Sept. 1958.

ZABEK, S. Criterion of the changes in chemical properties of water during the irrigation of soil. p. 426.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 4.

April 1959, Unclass

POLAND / Soil Science. Tillage. Reclamation. Erosion. J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6113.

Author : Zabek, Stanislaw.

Inst : Not given.

Title : The Significance of the Composition of Irrigation Water Under Agricultural Reclamation of Sandy Meadow Soils, Using Lysimeter Experiments With Grasses /In the Osobovitsy District, Poland/.

Orig Pub: Roczn. gleboznawcze, 1956, 5, 203-219.

Abstract: No abstract.

Card 1/1

47

ZABEK, Zbigniew; SIEDZINSKI, Janusz

Gravimetric liaison Warsaw--A.B. Dobrowolski Station at the
Antarctic. Geod 1 kart 9 no.3/4:197-208 '60.

ZABEK, Z; SIEDZINSKI J

An expedition to the white continent. p. 344

PREZEBLAD GEODEZYJNY. (Stowarzyszenie Naukowe-Techniczne Geodetow Polskich)
Warszawa, Poland. Vol. 15, no. 8/9, Aug. / Sept. 1959.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960.

Uncl.

P/028/60/009/003-4/002,002
A056/A126

AUTHORS: Zabek, Zbigniew, and Sledziński Janusz

TITLE: Gravimetric connection between Warsaw and Station A. B. Dobrowolski in the Antarctic

PERIODICAL: Geodezja i Kartografia, v. 9, no. 3 - 4, 1960, 197 - 208

TEXT: Between December 1958 and March 1959, in the frame of the Antarctic expedition organized by the International Commission of the Geophysical Year under the presidency of the Polish Academy of Sciences, the authors, assistants to the Chair of Geodesy of the Warsaw Polytechnic, realized the gravimetric connection between Warsaw and the Antarctic. The first point was located in the Institute (coordinates: φ 52°13'3" N λ = 21° 00'8" E H = 114.3 m) and the second in Station A. B. Dobrowolski - in the Bunker Oasis (coordinates: φ = 66°16'3" S λ = 100°45'0" E H = 35.4 m). The elevation of this point was determined by levelling from the water level of Figurowe Lake, 11.6 m above the sea level of the Indian Ocean according to the measurements of the second Russian expedition in 1956/57. The determination of the variations of the acceleration were carried out with an apparatus "Askania", equipped with four half-second invar pendulums, Sterneck type and photographic recording of the pendulum passages to the rest point and of the

Card 1/ 2

P/028/60/009/003-4/002/002

Gravimetric connection between Warsaw and Station A. B...AO56/A126

time signals. The apparatus was endowed a control manometer and a compensation of the magnetic field (Helmholtz coil). This apparatus had been used from 1956 to 59 for a gravimetric survey of Poland, with an accuracy of ± 0.2 mgal. The pendulum periods were controlled by the use of time-signals: In Warsaw, before departure and after the return, from the radiostations DIZ (Potsdam), GBR (Rugby), ROR (Moscow) and FYP (Pontoise). In the Antarctic, from GBR, RPT, RWM, ROR, and TQC (Pontoise). In this manner, three stations - GBR, ROR, FYP/TQC - were received at the two points. For the reduction of the pendulum periods, the characteristics of the apparatus as determined during the gravimetric survey of Poland were taken into consideration. Only the thermal coefficients were determined specially for temperatures between -7 and $+35^{\circ}\text{C}$. The following results were obtained: 1) Difference of the acceleration of gravity $g_{\text{Antarct}} - g_{\text{Warsaw}} = +1,201.8 \text{ mgal} + 0.3 \text{ mgal}$. 2) Acceleration of the gravity at the Antarctic station $g = 982,438.4 \text{ ngal} + 0.4 \text{ mgal}$. 3) Faye's anomaly, related to the normal acceleration, according to the 1930 formula $g_0 - \gamma_0 = +68.5 \text{ mgal}$.

Card 2/2

ZABEL, Ivan

On the eve of the New Year at the Post Office No. 1 of Ljubljana.
PTT zbor 16 no.1/2:31-33 F '62.

ZABEL, Z; SLEDZINSKI, J.

An expedition to the white continent. p. 344

PRZEGLAD GEODRAZYNJI. (Stowarzyszenie Naukowe-Techniczne Geodetow Polskich)
Warszawa, Poland. Vol. 15, no. 8/9, Aug. / Sept. 1959.

Monthly List of East European Accession (EEAI) IC, Vol. 9, no. 2, Feb. 1960.

Uncl.

ZABEK, Z. ; DOBACZEWSKA, W.

Measurements with the use of a four-pendulum apparatus at the points of a gravimetric base.

P. 133. (PRACE, PROCEEDINGS) (Warszawa, Poland) Vol. 5, no. 2, 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

ZABEK, ZBIGNIEW.

Mesures effectuées avec un appareil à quatre pendules sur les points d'une base gravimétrique en Pologne.

Varsovie, Poland. Palac Kultury i Nauki, 1957, 7p.

Monthly List of European Accessions (EFAI) LC, Vol. 8, no. 7, July 1959

Uncl.

ZABEL, I.

The high mountain garden on Vrsic. PIT zbor 16 no.12,307-308 D '62.

ZABEL, Ivan

Before we begin building the Telecommunication Office No. 2.
PTT zbor 16 no.1/2:44-46 F '62.

ZABEL, Ivan

Working Council of the Postal, Telegraph, and Telephone
Enterprise of Ljubljana has prepared the investment program
for the Telecommunication Building II. PTT zbor 16 no.4:
96-102 Ap '62.

ZABELA, A., instruktor; VORONOV, M.

Word from the shock workers of communist labor. Sov. 16th, 34
no. 7:6-9 J1 '61. (MIRA 14:7)

1. Moskvoretskiy Rayonnyy komitet Kommunisticheskoy partii Sovetskogo Soyuza (for Zabela).
 2. Zamestitel' sekretarya partbyuro torga "Mogalantereya" (for Voronov).
- (Socialist competition) (Moscow--Retail trade)

ZABELAVICHUS, I.

USSR 600

Tare

Device for marking tare. Mol prom 13 no 4, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1952, Uncl.
2

TSYPHA, E.I.; ZAKHARENKO, Ye.A.

Technical and economic evaluation of the method of production
of double superphosphate with the use of fluosilicic acid.
Trudy NIIEF no. 206:188-200 '65. (MIRA 18:11)

[illegible]

ZABELIN, A. A. Cand Tech Sci -- (diss) "Methods of precision adjustment of
large specular interferometers of the ³Feender type." Mos, 1957. 21 pp
(State Order of Lenin Optical Inst im S. I. Vavilov). (KL, 42-57, 93)

ACC NR: AP7001417

(A)

SOURCE CODE: UR/0413/66/000/021/0129/0129

INVENTOR: Zabelin, A. A.

ORG: none

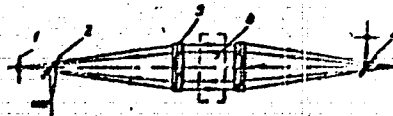
TITLE: Method for observing shadowgraphs. Class 42, No. 188061

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 129

TOPIC TAGS: shadowgraph photography, collimator

ABSTRACT: This Author Certificate presents a method for observing shadowgraphs, involving illumination of the observed object with the subsequent recording of the produced shadowgraph. To observe the shadowgraph in two arbitrarily selected directions at the same time with independent adjustments of the shadowgraph and to widen the volume of information about the density distribution in aerodynamic fields, the observed object is illuminated by two antiparallel light beams. The beams are directed through the slits of the shadow instruments and through the objectives of collimators which are at the same time the collectors for the opposite beams (see Fig. 1).

Fig. 1. 1 - entrance slits; 2 - plates; 3 - collimator objectives; 4 - investigated object



Separation of the light beams is accomplished by semitransparent plates placed either in the light beams or between the lenses of the erecting system. Orig. art. has: 1 diagram.

SUB CODE: 14/ SUBM DATE: 27Aug65
Card 1/1

UDC: 535.241.6

ZABELIN, A.A.

Sov/124-58-4-4379D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 4, p 97 (USSR)

AUTHOR: Zabelin, A.A.

TITLE: Set-up Methods for Large Zender-type Mirror Interferometers
(Metodika yustirovki bol'shikh zerkal'nykh interferometrov
tipa Tsendera)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree
of Candidate of Technical Sciences, presented to the Gos. optich.
in-t (State Institute of Optics), 1957

ASSOCIATION: Gos. optich. in-t (State Institute of Optics)

1. Interferometers--Installation

Card 1/1

PIRYAZEVA, A.I.; ZABELIN, A.N.

Methods for evaluating the effect of the industrial-frequency
following current on the carrying capacity of valve dischargers
under operating conditions. Trudy LPI no.195:541-550 (MIFA 11:10)
(Electric discharges)

ZABELIN, B.

"Specialization and the distribution of machinery manufacturing enterprises in the U.S.S.R. by A.G. Omarovskii. Reviewed by B.Zabelin. Vop.ekon. no.6:116-121 Jo '60.

(MIRA 13:6)

(Machinery industry) (Omarovskii, A.G.)

. 25(2)

PHASE I BOOK EXPLOITATION

SOV/1890

Zabelin, Boris Mikhaylovich

Spetsializatsiya i kooperirovaniye v mashinostroyeni SSSR; po materialam vagonostroyeniya i drugikh otrasley (Specialization and Cooperation in the USSR Machine-Building Industry; According to Materials of Car Building and Other Branches) Moscow, Mashgiz, 1958. 146 p. 5,000 copies printed.

Reviewer: N.A. Orlov, Professor; Ed.: D.D. Kondrashev, Candidate of Economic Sciences; Ed. of Publishing House: A.A. Salyanskiy; Tech. Ed.: V.D. El'kind; Managing Ed. for Literature on the Economics and Organization of Production (Mashgiz): T.D. Saksganskiy.

PURPOSE: This book is intended for economists working in industrial enterprises and councils for the national economy, and industrial engineers in the machine-building industry.

Card 1/4

Specialization and Cooperation (Cont.)

SOV/1890

COVERAGE: The book gives a systematic presentation of problems and principles of the development of specialization and cooperation in machine building. It discusses the essentials and types of specialization and cooperation as special forms of the social organization of production, the main trends and present state of the development of specialization and cooperation and the determination of their most efficient limits, problems of further expansion of a specialized industrial basis, regulation of the planning of organization and specialization, and the development of standardization, normalization, and the unification of production. There are 36 tables, no figures and no references. No personalities are mentioned.

TABLE OF CONTENTS:

Foreword

3

Ch. I. Essentials and Types of Specialization and Cooperation in Industry

1. Essentials and types of specialization

5

2. Essentials and types of cooperation

11

3. The advantage of a socialistic economy in developing specialization and cooperation in industry

14

Card 2/4

Specialization and Cooperation (Cont.)	SOV/1890
Ch. II. Principal Trends in the Development of Specialization and Cooperation in Machine-Building (as exemplified by the car-building industry)	21
1. A short sketch of the development of pre-revolutionary car building	21
2. Principal trends in the development of specialization and cooperation in Soviet car building	35
Ch. III. The Economic Effectiveness of Specialization and Cooperation in the Machine-Building Industry	68
1. The influence of specialization and cooperation on the improvement of industrial and economical factors in the production activity of enterprises	69
2. Efficiency limits to the expansion of specialization and cooperation	98
Ch. IV. Principal Problems in the Further Expansion and Regulation of Specialization and Cooperation in Machine Building	109
1. Expansion of the specialized production basis of machine building	109
Card 3/4	

Specialization and Cooperation (Cont.)

SOV/1890

- | | |
|---|-----|
| 2. Regulation of the planning and organization of
specialization and cooperation in machine building | 126 |
| 3. Problems of improving standardization, normalization,
and production unification practices | 141 |

AVAILABLE: Library of Congress

TM/ad
9-4-1959

Card 4/4

ZABELIN, B.A.
ANALITSKIY, V.M., inzhener.; ZABELIN, B.A., inzhener.

Roads for lumber transportation built of precast reinforced concrete
slabs. Mekh. trud. rab. 11 no.2:29-31 F '57. (MIRA 10:5)

1. Giproleprom.
(Roads, Concrete) (Lumber--Transportation)

ZABELIN, BORIS MIKHAYLOVICH

U/S
733.31
.Z1

SPETSIALIZATSIYA I KOOPERIROVANIYE V PROMYSHLENNOSTI SSSR (SPECIALIZATION
AND COOPERATION IN USSR INDUSTRY) MOSKVA, TOR KPSS, 1956.

30 P.

AT HEAD OF TITLE: KOMUNISTICHESKIYA PARTIYA SOVETSKOGO SOYUZA. VYSSHAYA PART.
IYNAYA SHKOLA.

ZABELIN, BORIS MIKHAYLOVICH

PHASE I BOOK EXPLOITATION

529

Zabelin, Boris Mikhaylovich

Spetsializatsiya i kooperirovaniye v promyshlennosti (Specialization and Cooperation in Industry) [Moscow] Moskovskiy rabochiy, 1957. 98 p. 10,000 copies printed.

Ed.: Gringauz, S.; Tech Ed.: Lil'ye, A.

PURPOSE: This book is published by a labor union publishing house and, although there is no purpose stated, it is presented for general consumption to further the idea of specialization and cooperation in industry.

COVERAGE: The book presents a technico-economic survey of industry in the Moscow area and provides numerous examples of specialization and cooperation in various industrial enterprises located in and around Moscow. There are no references. No personalities are mentioned.

Card 1/4

Specialization and Cooperation in Industry

529

TABLE OF
CONTENTS:

What Do We Mean By Specialization and Cooperation in Industry	3
Nature and Types of Specialization	4
Nature and Types of Cooperation	8
Moscow's Industry and Its Branch Structure	12
Machine building and metalworking	16
Chemical industry	17
Construction materials industry	17
Woodworking industry	19
Textile industry	19
Garment industry	20
Shoe and leather-and-fur industry	21
Food processing industry	21
Other branches of production	22
A brief technico-economic account of Moscow's industry	24

Card 2/4

Specialization and Cooperation in Industry	529
Fundamental Trends in the Development of Specialization and Cooperation in Production	29
Standardization and unification of production	40
Economic Advantages of Specialization and Cooperation	45
Increase in the technical and organizational level of production	45
Increase in the skills of workers and easing their work	51
Better utilization of principal and turn-over funds of an enterprise	56
Simplification of the industrial structure of enterprises and reduction of expenditures on production services and administration	61
Increase in labor productivity and reduction of production costs	64
Rational limits of expansion of specialization and cooperation	68

Card 3/4

Specialization and Cooperation in Industry	529
Fundamental Questions Relating to the Further Development of Specialization and Cooperation in Industry	73
Expansion of the specialized production base in industry	73
Regulation of planning and organization of specialization and cooperation in industry	82
Objectives for the improvement of standardization and unification practices in production	93

AVAILABLE: Library of Congress

Card 4/4

VK/ad
8-28-58

ZABELIN, B.M.

Increasing Labor Productivity in Machine Building (Voprosy povysheniya
produktivnosti truda v mashinostroyeni) Gosudarstvennoye nauchno-tekhn.
izdat. mashinostroyitel'. literatury, Moscow, 1957. 511 pp.

(Table of Contents authors below)

This collection presents a comparative tech. and economic analysis of
most effective methods and industrial processes for obtaining high labor productivity
in machine building. Output may be stepped up by further standardization of machine
tools, materials, and production methods; drawing on unused potentials.
Covers all stages of planning and production as performed in modern plants of
USSR, actual experience, and new methods are discussed.

ZABELIN, B. M.

XXXXXXXXXXXXXXXXX., Specialization and Cooperation in Industry," P. 25.

ZANDELIN, Boris Mikhailovich; ORLOV, N.A., prof., retsentsent; KONDRASHEV,
D.D., kand.ekon.nauk, red.; SALTANSKIY, A.A., red. izd-va;
EL'KIND, V.D., tekhn.red.

[Specialization and cooperation in machinery manufacturing in
the U.S.S.R.; a follow up on materials on railroad-car con-
struction and other branches] Spetsializatsiya i kooperirovanie
v mashinostroenii SSSR; po materialam vagonostroeniya i drugikh
otraslei. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry,
1958. 146 p. (MIRA 12:1)

(Machinery industry)

ZABELIN, Boris Mikhaylovich

Spetsializatsiya i kooperirovaniye v promyshlennosti (Moskva) Moskovskiy
Rabochiy, 1957.

98p.

Bibliographical footnotes.

ZARELIN, G.D., inzh.

Stand used for testing TRN-1 voltage regulators. Elek. 1 tepl.
tiaga 3 no.2:26-27 P '59. (MPLA 12:4)

1. Depo Petropavlovsk, Omskaya doroga.
(Voltage regulators--Testing)
(Testing machines)

DROZDOV, A.A., inzh.; ZABELIN, G.D., inzh.; FILIPPOV, L.K., inzh.

Switching system of the main generator in a diesel locomotive.
Elek. i tepl. tiaga 2 no.9:23-25 8 '58. (MIRA 11:10)

1. Depo Petropavlovsk, Omskaya doroga.
(Diesel locomotives--Electric equipment)

ZABELIN, I.A.

Results of conifer introduction at the Nikita Botanical Garden.
Biol. Glav. bot. sada no. 34:14-24 '59 (MIRA 13:3)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad.
(Crimea—Coniferae) (Plant introduction)

ZABELIN, I. A.

USSR/Cultivated Plants. Decorative Plants.

II

Abs Jour : Ref Zhur-Biol., No 15, 1958, 63433

Author : Zabelin, I. A.
Inst : State Nikitsk Botanical Garden.
Title : Plant Selection for the Parterres of the
Lower Belt of the Southern Crimean Coast
in Relation to Their Biological and Geographical Derivation.

Orig Pub : Byul. nauchno-tokhn. inform. Gos. Nikitsk.
botan. sad, 1957, No 3-4, 33-36

Abstract : Various decorative flowering plants as well
as leafy plants which have been developed
on the basis of an ecological and geographical
analysis, are described. The plants have
been found suitable and they are recommended
for decorative use at the lower belt of the

Card : 1/2

ZABELIN, I. A., Cand Biol Sci -- (diss) "Result^s of the intro-
duction of Coniferae in Nikitskiy Botanical Garden and the
lower belt of the southern ^{shore} ~~coast~~ ^{the} of Crimea." [Yalta, 1957].
17 pp (Acad Sci USSR, Botanical Inst im V. L. Komarov),
180 copies (KL, 1-58, 116)

USSR / Cultivated Plants. Introduction and Acclimatization.

M-2

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58503

Author : Zabelin, I. A.

Inst : State Nikitsky Botanical Garden

Title : The Results of the Introduction of Coniferous Trees
on the Southern Coast of the Crimea

Orig Pub : Byul. nauchno-tekhn. inform. Gos. Nikitsk. botan. sad,
1957, No 3-4, 6-9

Abstract : 181 species of coniferous were tested during the time
when the Nikitsky garden was in existence. 99 of them
were found to be useful and 82 unsuitable. 32 species,
which are drought resistant under normal conditions in the
lime-argillaceous cultivated soils of the lower belt of
the Southern Crimean shore, are fit for extensive cul-
tivation without irrigation. 18 species are fit for
cultivation without irrigation only on fresh soils and 11

Card 1/2

USSR / Cultivated Plants: Introduction and Acclimatization.

M-2

Abz Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58503

species can only be grown on non-calcareous soils. 7 species and one variety are fit for extensive cultivation with irrigation. 25 species and 4 varieties are fit for limited cultivation with irrigation. A considerable number of species can be grown only on soils formed on non-calcareous rocks. A great many species are unfit for cultivation on account of insufficient drought and frost resistance -- I. K. Fortunatov

Card 2/2

VOLOSHIN, M.P., nauchnyy sotrudnik; ZABELIN, I.A., nauchnyy sotrudnik;
KORMILITSYN, A.M., nauchnyy sotrudnik; ZHILYAKOVA, O., red.;
FISENKO, A., tekhn.red.

[Southern floriculture] Iuzhnoe savetovodstvo. Simferopol',
Krymizdat, 1959. 196 p. (MIRA 13:1)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad (for Voloshin,
Zabelin, Kormilitsyn).
(Floriculture)

L 01238-67 EWT(m) JR

ACC NR: AT6031142

SOURCE CODE: UR/3136/66/000/066/0001/0024

AUTHOR: Aleksenko, Yu. N.; Brodskiy, A. M.; Zabelin, A. I.; Kevrolev, V. P.;
Lavrovskiy, K. P.; Makarov, D. V.; Tetyukov, V. D.; Fish, Yu. L.

42
B+1

ORG: none

TITLE: Analysis of tests of a unit for the atomic power station "Arbus" for
regenerating a gas oil coolant by degeneration hydrogenation

19

SOURCE: Moscow. Institut atomnoy energii. Doklady, IAE-1066, 1966. Analiz
ispytaniy ustanovki destruktivno-gidrogenizatsionnoy regeneratsii gazoylevogo
teplonositelya AES Arbus, 1-24

TOPIC TAGS: organic moderated reactor, organic coolant, atomic energy,
atomic power station, organic cooled nuclear reactor, catalyst, catalyst
regeneration/Arbus-I atomic power station

ABSTRACT: An analysis is made of data obtained in the experimental operation of
the "Arbus-I" atomic power station and related laboratory studies. The "Arbus-I"
differs from other atomic power stations using organic-cooled and-organic-moder-
ated reactors in that its gas oil coolant is regenerated by means of a hydrogenation-

Card 1/2

L 01238-67

ACC NR: AT6031142

degradation process. The investigation showed that regeneration through hydro-
generation-degradation considerably decreases radiolytic losses in the coolant.
The principal parameters for the regeneration of hydrostabilized gas oils are given
and the useful life of the aluminocobalt molybdenum catalyst under adopted operat-
ing parameters is determined. Orig. art. has: 8 figures and 5 tables. [SP]

SUB CODE: 20/ SUBM DATE: none/

Card 2/2 aww

ZABELIN, I.

PT-1363 [Remarks on the dynamics of blocked deltas] Zametki o dinamike blokirovannykh del't.

Voprosy Geografii, (7): 123-129, 1948.

ZABELIN, I. M.

ZABELIN, I. M. - "Landscape of the UpperPart of Irkuta Basin (Eastern Sayan)." Sub 25 Jan 52, Moscow Order of Lenin State U imeni M. V. Lomonosov. (Dissertation for the Degree of Candidate in Geographical Sciences).

SO: Vechernaya Moskva January-December 1952

ZABELIN, I. M.

Botany - Sayan Mountains

Peculiarities of the distribution of vegetation in the glacial and erosion valleys
in the eastern Sayan Mountain region. Vest. Mosk., un., 7, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October, 1954, ~~1953~~ Unclassified.

ZABELIN, I. M.

Sayan Mountains - Physical Geography

Configurations of the Il'chir - Kitoy basin (eastern Sayan Mountains). Vest. Mosk. un.
7, No. 5, 1952.

Monthly List of Russian Accessions, Library of Congress
November 1952. UNCLASSIFIED.

ZABELIN, I. M.

5

Metanorological Abst.
Vol. 4 No. 9
Sept. 1953
Part I
Climatology and
Bioclimatology

19-202
Zabelin, I. M. Geograficheskaya sreda, geograficheskie prirodnye komplekсы i sistema fiziko-geograficheskikh nauk. [Geographical environment, geographical natural entities and the system of physical geographical sciences.] *Vestnik Geograficheskoe Obshchestvo, Izvestia*, 84(9):602-615, Nov./Dec., 1952. bibl. p. 615. DLC—A discussion of the theoretical bases of geography as a science and of the interrelationship of the components of physical environment such as climate, landscape, lithosphere, biosphere, etc. with special reference to the theoretical values of V. P. Dokuchaev and of L. S. Hesse. Special consideration is given to the role of the geographical environment in the formation of the human landscape. 1. Geographical climatology. U.S.S.R.

EH 4/18/54

ZABELIN

USSR/Geophysics - Insolation of hill slopes

FD-780

Card 1/1 : Pub 129-17/24

Author : Zabelina, T. M., and Zabelin,

Title : Influence of exposure (solar) and steepness of slopes upon the elements of the geographical medium

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, Vol 9, No 2, 125-134, Mar 1954

Abstract : Investigate the daily behavior of insolation on hill slopes for various exposures, steepness, and times at the latitude 52°17' (in East Sayan). Conclude that the various components of the geographic medium react differently to the variation in exposure (and steepness) of slopes.

Institution : --

Submitted : --

ZABELINA, T.M.; ZABULIN, I.M.

Effect of exposition and steepness of slopes on the elements
of geographical media. Vest. Mosk. un. 9 no.3:125-134 Mr '54.
(Solar radiation) (Physical geography) (MLRA 7:6)

ZABELIN, I. M.

The Nature of Changes in Landscape

The author considers as untrue the notion that reversible changes are absent in the development of landscapes. According to the author, an example of such changes is seasonal changes, which do not change the nature of the landscape. (RZhGeol, No. 4, 1955) Izv. Vses. geogr. o-va, 86, No. 4, 1954, 354-356.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

ZABELIN I.M.

Vegetation on slopes

FD-1691

Card 1/1 : Pub. 129-16/25

Author : Zabelin, I. M., and Zabelina, T. M.

Title : ~~Vegetation on slopes~~
Some information on the peculiarities of the distribution of vegetation on slopes of various curvature

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, Vol. 10, 153-158, Feb 1955

Abstract : The author considers the two extreme cases: dry regions (e.g. Issyk-Kul in the T'ien Shan Mountains) and strongly wet regions (e.g. East Sayan, Il'chir-Kitoy valley between the Tunka and Kitoy bare hills, valley of the river Irkut (Gargan). He also discusses boundaries between plant associations. Three references.

Institution : -

Submitted : August 13, 1954

ZABELIN, I.M.

Some problems of physical geography. Izv.Vses.geog.ob-va 87
no.2:152-161 Mr-Apr '55. (MLBA 8:9)
(Physical geography)

ZABLIN, Igor' Mikhailovich; KUMKES, S.H., redaktor; NOGINA, M.I.,
tekhnicheskii redaktor

Chokan Valikhanov. Moskva, Gos. izd-vo geogr. lit-ry, 1956.
50 p. (MLBA 10:4)

(Valikhanov, Chokan Chingisovich, 1835-1865)

ZARELIN, I.M.; AL'BITSKAYA, K.A.; TUGARINOV, D.M.; ZAKHAROVA, T.E.; KOHOVA-
LYUK, G.A., redaktor; GIBYKH, D.A., tekhnicheskiiy redaktor

[Kazakhstan, Uzbekistan, Kirgizistan, Tajikistan, Turkmenistan]
Kazakhskaya SSR, Uzbekskaya SSR, Kirgizskaya SSR, Tadzhikskaya SSR,
Turkmeniskaya SSR. Moskva, Gos. izd-vo geogr. lit-ry, 1956. 110 p.
(Soviet Central Asia--Economic conditions) (MLRA 10:1)

FABRIKIN, I.M. (Moskva).

Causes of the occurrence of steppe plant associations in the Mondy
Depression (Eastern Sayans). Bot.skur. 41 no.8:1208 &g "56.
(Mondy region--Botany--Ecology) (MLBA 9:12)

ZABELIN, I.M., kandidat geograficheskikh nauk (Moskva)

"Tracks" on the mountain slopes. Priroda 45 no.2:114-115 P '56.

(ILRA 9:5)

(Asia--Earth movements)

ZABELIN, I.M.

~~Remarks on the comparative method of knowledge, Izv. Vses. geog.~~

ob-vz 88 no.1:84-85 Ja-F '56.

(MLHA 9:6)

(Knowledge, Theory of)

TSYS', P.N.; KALESNIK, S.V.; SOKOLOV, N.N.; CHOCHIA, N.S.; PROTOPOPOV, A.F.; ZABELIN, I.M.; GVOZDETSKIY, N.A.; YEFREMOV, Yu.K.; KARA-MOSKO, A.S.; KOZLOV, I.V.; SOLNTSEV, N.A.; ISACHENKO, A.G.; ARMAND, D.L.; MIROSHNICHENKO, V.P.; PETROV, K.M.; KAZAKOVA, O.N.; MIKHAYLOV, N.I.; PARMUZIN, Yu.P.; GERENCHUK, K.I.; MIL'KOV, P.N.; TARASOV, P.V.; NIKOLAYEV, V.N.; SOBOLEV, L.N.; RYBIN, N.N.; DUMIN, B.Yu.; IGNAT'YEV, G.M.; MEL'KHEYEV, M.N.; SANEHLIDZE, M.S.; VASIL'YEVA, I.V.; PEREVALOV, V.A.; BASALIKAS, A.D.

Discussion at the conference on studying land forms. Nauch. zap. L'viv. univ., 40:231-267 '57. (MIRA 11:6)
 1. L'vovskiy gosudarstvennyy universitet (for TSys', Gerenchuk, Dumin).
 2. Laboratoriya aerometodov AN SSSR, Leningrad (for Sokolov, Miroshnichenko, Petrov). 3. Institut geografii AN SSSR, Moskva (for Armand, Sobolev). 4. Gosudarstvennyy universitet, Voronezh (for Mil'kov, Tarasov). 5. Leningradskiy gosudarstvennyy universitet (for Chochia, Isachenko, Kazakova). 6. Komissiya okhrany prirody AN SSSR, Moskva (for Protopopov). 7. Gosudarstvennyy universitet, Chernovtsy (for Rybin). 8. Gosudarstvennyy universitet, Irkutsk (for Mel'kheyev). 9. Gosudarstvennyy pedagogicheskiy institut im. V.I. Lenina, Moskva (for Vasil'yeva). 10. Bol'shaya Sovetskaya Entsiklopediya (for Zabelin). 11. Gosudarstvennyy universitet, Tbilisi (for Saneblidze). 12. Moskovskiy gosudarstvennyy universitet (for Gvozdetkiy, Solntsev, Mikhaylov, Parmuzin, Nikolayev, Ignat'yev). 13. Torgovo-ekonomicheskiy institut, L'vov (for Perevalov). 14. Gosudarstvennyy institut im. Kapsukasa, Vil'nyus (for Basalikas). 15. Muzei zemlevedeniya Moskovskogo gosudarstvennogo universiteta (for Yefremov, Kozlov). 16. Srednyaya shkola No.13, Kiyev (for Kara-Mosko). (Physical geography)

ZABELIN, Igor' Mikhailovich; ROZENTAL', R.E., red.; TARASOVA, V.V., tekhn.red.

[Basic problems in the theory of physical geography] Osnovnye
problemy teorii fizicheskoi geografii. Moskva, Izd-vo Akad.pedagog
nauk RSFSR, 1957. 99 p. (MIRA 10:12)
(Physical geography)

ZABELIN, I.M.

Controversial questions in physical geography. Izv. Vses. geog.
ob-va 89 no.4:322-327 J1-Ag '57. (MIRA 10:10)
(Physical geography)

ZABELIN, IGOR MIKHAYLOVICH

N/5
612.3
.21

Astrogeografiya; yeye predmet i zadachi Astro-geography; its
goals and problems Moskva, Geografiz, 1958.

61 p.

ZABELIN, Igor' Mikhaylovich; KUMKES, S.N., red.; VILENSKAYA, E.N., tekhn.
red.

[Astrogeography] Astrogeografiia; ee predmet i zadachi. Moskva,
Gos. izd-vo geogr. lit-ry, 1958. 61 p. (MIRA 11:9)
(Cosmography)

ZABELIN, I.M.

[Russian Federation; a brief account of its nature, population,
and economy] Rossiiskaia Federatsiia; kratkie svedeniia o
prirode, naselenii i khoziaistvo. Moskva, Geografiz, 1959.
212 p. (MIRA 13:2)

(Russia)

BOGORYAVLENSKIY, G.P.; DUBAYEV, V.N.; MEDOSEKIN, D.V., Prinizialnuchastiye:
GALITSKIY, V.A., GRIN, M.F., kand.ekonom.nauk, nauchnyy red.;
KARLIN, I.M., kand.geograf.nauk, nauchnyy red.; SAKSONENKO, L.V.,
nauchnyy red.; FRANKIN, N.G., kand.geograf.nauk, nauchnyy red.;
MAL'CHEVSKIY, G.N., red.kart; GLEYKH, D.A., tekhn.red.

[The earth and its people; a geographical calendar for 1959]

Zemlia i liudi; geograficheskiy kalendar', 1959. Moskva, Geo-
grafiz, 1958. 390 p.

(MIRA 12:3)

(Geography)

3(1)

PHASE I BOOK EXPLOITATION

SOV/1929

Zabelin, Igor' Mikhaylovich

Astrogeografiya; yeye predmet i zadachi (Astronomical Geography;
Subjects and Problems) Moscow, Geografizdat, 1958. 61 p.
20,000 copies printed.

Ed.: S.N. Kumkes; Tech. Ed.: E.N. Vilenskaya .

PURPOSE: This booklet is intended for the general reader
interested in developments in the earth sciences.

COVERAGE: This booklet acquaints the reader with the content and
scope of a new branch of the earth sciences - astrogeography.
This discipline studies the processes in the development of
matter in the universe which lead to the appearance of life.
Astrogeography represents an extension of physical geography to
planets other than Earth. The booklet provides a comparative
analysis of the natural conditions prevailing on Earth, Venus,
and Mars. I.M. Zabelin, A.G. Isachenko, V.G. Fesenkow,

Card 1/3

Astronomical Geography (Cont.)

SOV/1929

A.G. Masevich, and M.A. Kozyrev are mentioned as being active in the field. No references are given.

TABLE OF CONTENTS:

Introduction	3
Ch. I. Brief Sketch of the Universe	5
1. Structure of the universe	5
2. Origin of planets	6
Ch. II. Theory of the Earth's Geographic Mantle	13
1. Origin of the discipline	13
2. Regularities in the development of the Earth's Geographic mantle	20
Ch. III. The Geographic Mantle as a Cosmic Phenomenon. The	
Subject Matter of Astrogeography	29
1. Solar system	29
2. Planets of the Jupiter group	30
3. Planets of the Earth group	33
4. Subject matter of astrogeography	37

Card 2/3

ZABELIN, Igor' Mikhaylovich; KUMKES, S.N., red.; NOGINA, N.I., tekhn.red.

[Source of life] Ochnag shizni. Moskva, Gos.izd-vo geogr.
lit-ry, 1959. 101 p. (MIRA 12:7)
(Physical geography)

ZABELIN, Igor' Mikheylovich; YANIKOV, G.V., red.; GLEYKH, D.A.,
tekhn.red.

[Theory of physical geography] Teoriia fizicheskoi geografii.
Moskva, Gos.izd-vo geogr.lit-ry, 1959. 303 p. (MIRA 13:2)
(Physical geography)

ZABELIN, I.M.

The Earth in the cosmos. Geog.v shkole 22 no.6:15-27 I.D
'59. (MIRA 13:4)
(Cosmography)

ZABELIN, I.M., kand.geogr.nauk

Astronomical geography. Nauka i zhizn' 27 no.2:59-63
F '60. (MIRA 13:6)

(Astronomical geography)
(Space control)

BOGOYAVLENSKIY, G.P.; DUNAYEV, V.N.; NEDOSHEIN, D.V.; DANILOVA, N.A.,
avtor kart; KEMMERIKH, A.O., avtor kart. Prinimal uchastiye
GALITSKIY, V.A., GRIN, M.F., kand.ekonom.nauk, nauchnyy red.;
ZABELIN, I.M., kand.geograf.nauk, nauchnyy red.; SAMSONENKO,
L.V., nauchnyy red.; FRADKIN, N.G., kand.geograf.nauk, nauchnyy
red.; MAL'CHEVSKIY, G.N., red.kart; BELICHENKO, R.K., uladshiy
red.; GLEYKH, D.A., tekhn.red.

[The earth and the people; geographical calendar for 1960] Zemlia
i liudi; geograficheskii kalendar' 1960. Moskva, Geografiz.
1959. 381 p. [Seasonal phenomena in U.S.S.R. nature. Seson-
nye iavleniia v prirode SSSR. Sost.N.A.Danilova, A.O.Kemmerikh.
12 maps. (MIRA 13:3)]

(Geography--Dictionaries)

(Calendars)

ZABELIN, I.M., kand.geograf.nauk

Astronomical geography. Nauka i zhyttia 10 no.8:48-51 Ag '60.
(MIRA 13:8)

(Astronomical geography)

ZABELIN, I.M., kand.geograf.nauk

Guinea. Nauka i zhizn' 27 no.10:40-48 O '60.
(Guinea--Description and travel)

(MIRA 13:10)

ZARELIN, I.M., kand.geograf.nauk

Need for a new science concerning the interaction between man and
nature. Nauka i zhizn' 27 no.11:27-30 N '60. (MIRA 13:12)
(Sociology) (Natural resources)

S/025/60/000/011/005/008
A166/A026

AUTHOR: Zabelin, I.M., Candidate of Geographical Sciences

TITLE: On the Threshold of Space Evolution

PERIODICAL: Nauka i zhizn', 1960, No. 11, p. 34

TEXT: The author looks forward to the foundation of "biogenology" or the science dealing with the evolution of life in various parts of the universe. He points out that life in the sea evolved up to a certain point and then slowed down because the stable environment offered by the sea was not particularly conducive to evolution. The more varied and rugged conditions on land led to rapid evolution culminating in homo sapiens. Similarly, rugged and varied conditions throughout the universe must have led to the development of extra-terrestrial intelligent life. Man brought up outside human society reverts to the beasts, but the author anticipates a time when "humanity", as well as other at present acquired characteristics (learning), will be genetically inheritable traits. This trend, he claims, is partly present already in geniuses, but will develop and spread with the continued psychological evolution of man. ✓

Card 1/1

BOGOTAVLENSKIY, G.P.; NEDOSEKIN, D.V.; MAL'CHEVSKIY, G.N., red.-sootvetel'
kart; BELEN'KIY, A.B., kand.istor.nauk, nauchnyy red.; GRIN, M.F.,
kand.ekonom.nauk, nauchnyy red.; ZABELIN, I.M., kand.geograf.nauk,
nauchnyy red.; SAMSONENKO, L.V., nauchnyy red.; FRADKIN, H.G.,
kand.geograf.nauk, nauchnyy red.; BELICHENKO, R.K., mladshiy
red.; VILENSKAYA, N.N., tekhn.red.

[The land and the people; the 1961 geographical calendar] Zemlia
i liudi; geograficheskii kalender' 1961. Moskva, Izd-vo geogr.
lit-ry, 1960. 262 p. [New construction projects, 1959-1965;
color map. Appendix to "Zemlia i liudi," the 1961 geographical
calendar] Novostroiki semiletki, 1959-1965; tsvetnaya karta.
Prilozhenie k geograficheskomu kalendaru "Zemlia i liudi" na
1961 g. (MIRA 14:1)

(Geography)

(Russia--Industries--Maps)

ZADELIN, I.M.

Constant climatic border line on the northern slope of the Terskei
Ala-Tau. Izv. Vses. geogr. ob-va 93 no.1:76 Ja-7 '61. (MIRA 14:2)

(Terskei Ala-Tau--Vegetation and climate)

DOLINOV, M.Ye.; BURLAKA, P.N., red.; YEFREMOV, I.A., red.; YEVGEN'YEV, B.S., red.; ZABELIN, I.M., red.; KAZANTSEV, A.P., red.; KUMKES, S.N., red.; OBRUCHEV, S.V., red.; PRONIN, N.N., red.; ZHURAVLEVA, G.P., mlad. red.; GOLITSYN, A.V., red. kart; KOSHELEVA, S.M., tekhn. red.

[On land and sea] Na sushe i na more; povesti, rasskazy, ocherki.
Moskva, Gos.izd-vo geogr.lit-ry, 1961. 543 p. (MIRA 14:12)
(Voyages and travels)

BOGOYAVLENSKIY, G.P.; TIKHOMIROV, V.N.; Priznala uchastiye NEDOSHIKINA,
D.V.; HELEN'KIY, A.B., kand. istorich. nauk, nauchnyy red.;
GRIN, M.F., kand. ekonom. nauk, nauchnyy red.; ZABELIN, I.M.,
kand. geogr. nauk, nauchnyy red.; SAMSONENKO, L.V., nauchnyy
red.; FRADKIN, N.G., kand. geogr. nauk; MAL'CHEVSKIY, G.N.,
red. kart; BELICHENKO, R.K., mladehly red.; VILENSKAYA, E.N.,
tekh. red.

[Land and people; geographical calendar for 1962] Zemlia i liudi;
geograficheskiy kalendar' 1962. Moskva, Gos.izd-vo geogr. lit-
ry, 1961. 253 p. ____ [Africa, 1951 and 1961; colored maps.
Supplement] Afrika 1951 i 1961 gody; tsvetnye karty. Prilozhenie.
(MIRA 15:2)

(Geography)

(Africa—Maps)

ZABELIN, Igor' Mikhaylovich, kand. geogr. nauk; FAYNBOYM, I.B., red.;
ATROSHCHENKO, L.Ye., tekhn. red.

[Geography and the planets; astrogeography and astrobiology]
Geografiia i planety; astrogeografiia i astrobiologiya. Moskva,
Izd-vo "Znanie," 1962. 46 p. (Novoe v zhizni, nauke, tekhnike.
IX Seriya: Fizika i khimiia, no.6) (MIRA 15:8)
(Solar system) (Life on other planets)

BURLAKA, P.N., red.; YEFREMOV, I.A., red.; YEVGEN'YEV, B.S., red.;
ZABELIN, I.M., red.; KAZANTSEV, A.P., red.; KUMKES, S.N.,
red.; OBRUCHEV, S.V., red.; DOLINOV, M.Ye., red.; PRONIN,
N.N., otv. red.; ZHURAVLEVA, G.P., mladshiy red.; KOSHELEVA,
S.M., tekhn. red.; GOLITSYN, A.V., red. kart

[On land and sea; tales, stories and sketches] Na sushe i na
more; povesti, rasskazy, ocherki. Moskva, Geografiz, 1962.
645 p. (MIRA 16:2)

(Voyages and travels) (Geography)

BOGOYAVLENSKIY, G.P.; TIKHOMIROV, V.N.; Prinimail uchastiye: SHISHKIN, I.B.; MAL'CHEVSKIY, G.N.; GALITSKIY, V.A.; BELEN'KIY, A.B., kand. ist. nauk, nauchnyy red.; GRIN, M.F., kand. ekon. nauk, nauchnyy red.; ZABELIN, I.M., kand. geogr. nauk; SAMSONENKO, L.V., nauchnyy red.; FRADKIN, N.G., kand. geogr. nauk, nauchnyy red.; MELICHENKO, R.K., mladshiy red.; VILENSKAYA, E.N., tekhn. red.

[The land and people; geographical calendar for 1963] Zemlia i liudi; geograficheskii kalendar' 1963. Moskva, Geografiz, 1962. 303 p.
(MIRA 16:2)

(Geography--Yearbooks)

BOGOYAVLENSKIY, G.P.; SHISHKIN, I.B.; Primal uchastiye GALITSKIY,
V.A.; MAL'CHEVSKIY, G.N., red.-sostavitel' kart; BELEN'KIY,
A.B., kand. ist. nauk, nauchn. red.; GRIN, M.F., kand. ekon.
nauk, nauchn. red.; ZABELIN, I.M., kand. googr. nauk, nauchn.
red.; SAMSONENKO, L.V., nauchn. red.; FRADKIN, N.G., kand.
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